

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		ATTY DOCKET NO. <b>TPL-10203</b>	APPLICATION NO. <b>10/791,453</b>
		APPLICANT(S) <b>Thomas</b>	
		FILING DATE <b>March 2, 2004</b>	GROUP ART UNIT <b>3747 3748</b>
XAMINER <i>SCHNEIDER</i>	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>S</i>	Stanglmaier R., Ryan T. and Souder J., "HCCI Operation of a Dual-Fuel Natural Gas Engine for Improved Fuel Efficiency and Ultra-Low NOx Emissions at Low to Moderate Engine Loads", 2001, SAE Paper 2001-01-1897		
<i>S</i>	"Engine Smoothness", 2000, <a href="http://www.fortunecity.com/silverstone/lancia/58/technical_school/engine/smooth.htm">www.fortunecity.com/silverstone/lancia/58/technical_school/engine/smooth.htm</a>		
<i>S</i>	"Reciprotating Combustion Engine", 2001, <a href="http://reciprotating.com/default.htm">http://reciprotating.com/default.htm</a>		
<i>S</i>	"Homogeneous-Charge Compression Ignition Stratified Charge Compression Ignition Engine Laboratory", 2000, <a href="http://www.ca.sandia.gov">http://www.ca.sandia.gov</a>		
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<i>S</i>	"Dynamics of the Swash Plate Mechanism" 1984, Proceedings of the 1984 Inter Compressor Engineering Conference		
<i>S</i>	"New Engine Excites Many in Auto Industry", 1998, <a href="http://www.detnews.com/1998/autos/9805/20/052001.htm">http://www.detnews.com/1998/autos/9805/20/052001.htm</a>		
<i>S</i>	Kawabata, Y., Nakagawa K. and Shoji, F., "Operating Characteristics of Natural Gas Fueled Homogeneous Charge Compression Ignition", 1998, Annual Technical Report Digest		
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<i>S</i>	Christensen, M., Johansson, B., and Einewall, P., "Homogeneous Charge Compression Ignition (HCCI) using isoctane, ethanol, and Natural Gas. A Comparison with Spark-Ignition Operation", 1997, SAE Paper 972874		
<i>S</i>	Hultqvist, A., Christensen, M., and Johansson, P., "A Study of the Homogeneous Charge Compression Ignition Combustion Process by Chemiluminescence Imaging", 1999, SAE Paper 1999-01-3680		
<i>S</i>	Gray A. and Ryan T., "Homogeneous Charge Compression Ignition (HCCI) of Diesel Fuel", 1997, SAE Paper 971676		
XAMINER <i>RICHTER</i>	DATE CONSIDERED		<i>9-23-04</i>
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S	Ziph B. and Meijer R., "Variable Stroke Power Control for Stirling Engines", 1981, SAE Paper 810088		
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S	Kontarakis G., Collings N. and Ma T., "Demonstration of HCCI Using Single-Cylinder, Four-stroke SI Engine with Modified Valve Timing", 2000 SAE 2000-01-2870		
S	Pucher G., Gardener D., Bardon M. and Battista, V., "Alternative Combustion Systems for Piston Engines Involving Homogeneous Charge Compression Ignition Concepts - A Review of Studies Using Methanol, Gasoline, and Diesel Fuel", 1996, <a href="http://www.bcresearch.com">http://www.bcresearch.com</a>		
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S	Gill, G.S. and Freudenstein F., "Minimization of Inertia-Induced Forces in Spherical Four-bar Mechanisms. Part 1: The General Spherical Four-bar Linkage", 1983, ASME Vol 105/471		
S	Hardenberg H. and Buhl H., "The Mercedes-Benz OM 403 VA - A Standard Production, Compression-Ignition, Direct-Injection Multifuel Engine", 1982, SAE Paper 820028		
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S	"Erickson MCC FE-120", 1001, <a href="http://www.ericksonmotors.com/fe-120.htm">www.ericksonmotors.com/fe-120.htm</a>		
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S	Miyagawa K. and Kavukawa H., "Development of the Swash Plate-Type Continuously Variable Displacement Compressor", 1998, SAE Paper 980290		
S	Sadashivappa K., Singaperumal M. and Narayanasamy K., "On the Efficiency of the Axial Piston Motor Considering Piston Form Deviations", 1995, Pergamon 0957-4158 (95) 00074-7		
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S	Au M., Girard J. and Hiltner J., "Homogeneous Charge Compression Ignition", 2001 <a href="http://www.me.berkeley.edu/~mctai/hcci.html">http://www.me.berkeley.edu/~mctai/hcci.html</a>		
S	Christensen M., Hultqvist A. and Johansson B., "Demonstrating the Multi-Fuel Capability of a Homogeneous Charge Compression Ignition with Variable Compression Ratio", 1999, SAE Paper 1999-01-3679		
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S	Maricq M., Munoz R., Yang J. and Anderson R., "Sooting Tendencies in an Air Forced Direct Injection Spark-Ignition (DISI) Engine", 2001, SAE Paper 2001-01-0255		
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<i>S</i>	Manring N., "Slipper Tipping within an Axial-Piston Swash-Plate Type Hydrostatic Pump", 1998, ASME FPST-Vol. 5		
<i>S</i>	Jinqu N., Fukai I. and Kurihara M., "The Development of a Fixed-displacement Single-sided Swash Plate a/c Compressor", 2001, SAE Paper 2001-01-0971		
<i>S</i>	Kaahaaina N., Simon A., Caton P. and Edwards C., "Use of Dynamic Valving to Achieve Residual-Affected Combustion", 2000, SAE Paper 2001-01-0549		
<i>S</i>	Stanglmaier R. and Robert C., "Homogeneous Charge Compression Ignition (HCCI): Benefits, Compromises, and Future Engine Applications", 1999, SAE Paper 1999-01-3682		
<i>S</i>	Thring R., "Homogeneous Charge Compression Ignition (HCCI) Engines", 1989, SAE Paper 892068		
<i>S</i>	Fiveland S., and Assanis D., "A Four-Stroke Homogeneous Charge Compression Ignition Engine Stimulation for Combustion and Performance Studies", 2000, SAE Paper 2000-01-0332		
<i>S</i>	Nishimura T., Umeda T., Tsuta T. and Fujiwara, M., "Dynamic Response Analysis of a Swash Plate Type Hydraulic Piston Pump", 1995, ASME/JSME Pressure Vessels and Piping Conference PVP-Vol. 300		
<i>S</i>	Sheiretov T., Glabbeek W. and Cusano C., "Simulative Friction and Wear Study of Retrofitted Swash Plate and Rolling Piston Compressors, 1995.		
<i>S</i>	Taya T., Kobayashi H., Kawaguchi M. and Inagaki M. "10PC20 Swash Plate Type Variable Displacement Compressor for Automobile Air Conditioners", 1992, SAE Paper 920260		
<i>S</i>	Ryan T. and Callahan T. "Homogeneous Charge Compression Ignition of Diesel Fuel", 1996, SAE Paper 961160		
<i>S</i>	Tsuta T., Iwamoto T. and Umeda T. "Combined Dynamic Response Analysis of a Piston-Slipper System and Lubricants in Hydraulic Piston Pump", 1999, ASME PVP Vol. 396		
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S	"New Saab and Citroen Technology at Geneva", Automotive Engineering Online, SAE International, May 2000		
S	Herling, D., Smith, M., Baskaran, S., and Kupe J., "Application of Non-Thermal Plasma Assisted Catalyst Technology for Diesel Emission Reduction", 2000, SAE Paper 2000-01-3088		
S	Law, D., Kemp, D., Allen, J., Kirkpatrick, G., and Copland, T., "Controlled Combustion in an IC-Engine with a Fully Variable Valve Train", 2001, SAE Paper 2000-01-0251		
S	"Advanced Engine Technologies' OX2 Engine Poised as Alternative for Future World Energy Needs", Press Release, Thursday, February 8, 4:34 p.m. Eastern Time ( <a href="http://biz.yahoo.com/prnews/010208/ca_advance_4.html">http://biz.yahoo.com/prnews/010208/ca_advance_4.html</a> )		
S	"Advanced Engine Technologies Unveils New Web Site", Press Release, Monday, March 12, 12:00 p.m. Eastern Time ( <a href="http://biz.yahoo.com/prnews/010312/lam013_2.html">http://biz.yahoo.com/prnews/010312/lam013_2.html</a> )		
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**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
S	WO 98/07973	2/26/98		F02M	7/00	✓	
S	WO 92/09798	6/11/92		F02B	75/04	✓	
S	WO 92/09799	6/11/92		F02B	75/04	✓	
S	WO 00/57044	9/28/00		F02B	57/08	✓	
S	EP 0 093 822		Europe	F 02B	57/10		✓

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						YES	NO
S	JP 55-23308	1980	Japan	F01B	3/04		✓
S	20203	1899	France				✓
S	33,686	1932	Britain			✓	
S	416,364	1910	France				✓
S	433,357	1911	France				✓

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						YES	NO
S	FR 624,291	1926	France				✓
S	FR 711,040	1931	France				✓
S	FR 2 557 659	1983	France	F16H	25/12		✓
S	FR 2 566 460	1984	France	F02B	75/26		✓
S	FR 2 707 700	1989	France	F02B	75/32		✓

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